QC ABSTRACT

NAME OF WORK: Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Block(400*150*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
6	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
7	Precast (250mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
8	PCC(M15)	Compressive Strength(7days and 28days)	5 set /51-100 cum	62.05	10	10

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2020-11-18-34 **Date: 28-09-20**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-09-20
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11) 1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	26-09-20
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.61	–
2	Finess by Air permeablity method (m^2/kg,Min)	298.6	225m^2/kg, Min
3	Density (gm/cc)	3.13	–
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	265 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

CIVIL Pro BANGALORE Sig. Date

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2020-11-18-34** **Date: 27-10-20**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-09-20
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	26-09-20
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97

CIVIL Pro Sig. Date. BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2020-11-18-34** **Date: 29-09-20**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	26-09-20
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	26-09-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	251	251	1.7	98.3	90-100
3	20 mm	7341	7592	50.6	49.4	30-70
4	10 mm	4739	12331	82.2	17.8	10-35
5	4.75 mm	2317	14648	97.7	2.3	0-5
6	Pan	352	15000	100.0	0	---

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP Bangalore - 97

CIVIL PRO Sig. Date. BANGALORE

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2020-11-18-34** **Date: 29-09-20**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.5	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.1	
3	Specific Gravity	2.66	_
4	Bulk Density(Loose) (Kg/l)	1.48	_
5	Bulk Density(Compacted) (Kg/l)	1.51	_
6	Water Absorption(%)	0.23	_

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO BANGALORE Sig. Date

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2020-11-18-34** **Date: 28-09-20**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-09-20
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	26-09-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	193	193	3.9	96.1	90-100
3	10 mm	2406	2599	52.0	48.0	25-55
4	4.75 mm	2141	4740	94.8	5.2	0-10
5	Pan	260	5000	100	0	–

Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore

CIVIL PRO BANGALORE Sig. Date

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2020-11-18-34** **Date: 28-09-20**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	10.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.3	
3	Specific Gravity	2.65	–
4	Bulk Density(Loose) (Kg/l)	1.49	–
5	Bulk Density(Compacted) (Kg/l)	1.52	–
6	Water Absorption(%)	0.23	–
7	Aggregate crushing Value(%)	23.7	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.5	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

CIVIL Pro
Sig.
Date.
BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

End of Report

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID	:	CP-2020-11-18-34 **Date: 28-09-20**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-09-20
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	26-09-20
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

CIVIL PRO BANGALORE Sig Date

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2020-11-18-34** **Date: 28-09-20**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	–
2	Specific Gravity	2.59	–
3	Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

CIVIL PRO BANGALORE Sig. Date.

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	CP-2020-11-18-34 **Date: 10-10-20**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-10-20
Sample Type/Size	:	Solid concrete blocks size (400X150X200)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	07-10-20

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	405	148	200	11988	32.237	2689.1	2708.4	Not less than 1800Kg/m^3
2	403	149	199	11949	31.935	2672.5		
3	403	151	202	12292	33.971	2763.6		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore - 97

CIVIL PRO Sig. Date BANGALORE

Lab ID : CP-2020-11-18-34 Date: 10-10-20

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	404	151	202	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	400	152	201	
3	401	150	202	
4	400	152	200	
5	403	152	202	
6	401	151	200	
7	404	153	201	
8	403	149	199	
9	401	152	199	
10	401	151	203	
11	402	151	199	
12	402	153	200	
13	399	152	199	
14	400	151	199	
15	403	150	200	
16	400	151	203	
17	401	152	202	
18	402	151	202	
19	403	152	200	
20	400	151	199	
Average of 20	**401**	**151**	**201**	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

CIVIL PRO Sig. Date

Lab ID : CP-2020-11-18-34 Date: 10-10-20

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	404	151	61138	288.7	4.7	4.6
2	400	152	60735	276.9	4.6	
3	401	150	59958	284.6	4.7	
4	400	152	60648	285.5	4.7	
5	403	152	61063	254.4	4.2	
6	401	151	60529	270.2	4.5	
7	404	153	61601	274.1	4.4	
8	403	149	60059	283.7	4.7	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

* The results obtained are satisfactory as per standard requirements.

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.
R RUDRAPRASAD
Authorized Signatory
Technical Manager

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP Bangalore - 97

****End of Report****

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2020-11-18-34** **Date: 14-10-20**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.

Agency : Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32

Customer's Reference : BBMP/EE/BTP/WO/119/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 09-10-20

Sample Type /Size : Precast Cover Slab (100mm)

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 09/10/2020

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.48	1.116	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.52	1.122	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.51	1.118	4476	81.5	18.2	16.9	21.2

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore

****End of Report****

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2020-11-18-34** **Date: 14-10-20**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.

Agency : Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32

Customer's Reference : BBMP/EE/BTP/WO/119/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 09-10-20

Sample Type /Size : Precast Cover Slab (250mm)

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 09/10/2020

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	200.51	250.48	3.116	31570	240.9	7.6	7.1	8.9
2	Cover Slab-2	200.49	250.52	3.122	31564	240.3	7.6	7.1	8.9
3	Cover Slab-3	200.50	250.51	3.118	31567	240.5	7.6	7.1	8.9

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig. Date. BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-11-18-34** **Date: 12/10/2020**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-10-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	12/10/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	05/10/2020	12/10/2020	149.17 X 151.69 X 150.90	22628	**8.193**	276.0	12.2	12.7
2	PCC	M15	05/10/2020	12/10/2020	150.84 X 151.05 X 150.84	22784	**8.434**	295.5	13.0	
3	PCC	M15	05/10/2020	12/10/2020	149.80 X 149.06 X 149.48	22330	**9.080**	287.4	12.9	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig. Date. BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-11-18-34** **Date: 02/11/2020**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-10-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/11/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	05/10/2020	02/11/2020	149.18 X 150.64 X 149.89	22474	9.040	396.6	17.6	17.5
2	PCC	M15	05/10/2020	02/11/2020	151.62 X 151.52 X 149.37	22972	8.656	407.7	17.7	
3	PCC	M15	05/10/2020	02/11/2020	149.63 X 151.06 X 149.50	22604	8.166	387.8	17.2	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP Bangalore-97

CIVIL Pro Sig. Date. BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2020-11-18-34 **Date: 12/10/2020**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-10-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	12/10/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	05/10/2020	12/10/2020	149.82 X 149.70 X 149.60	22428	8.193	288.1	12.8	12.7
2	PCC	M15	05/10/2020	12/10/2020	150.04 X 149.12 X 149.30	22375	8.434	274.9	12.3	
3	PCC	M15	05/10/2020	12/10/2020	151.83 X 150.87 X 150.13	22908	9.080	295.9	12.9	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig. Date. BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-11-18-34** **Date: 02/11/2020**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.

Agency : Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32

Customer's Reference : BBMP/EE/BTP/WO/119/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 07-10-20

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/11/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	05/10/2020	02/11/2020	149.81 X 150.74 X 150.37	22583	9.040	387.6	17.2	17.3
2	PCC	M15	05/10/2020	02/11/2020	151.73 X 150.62 X 150.74	22854	8.656	397.8	17.4	
3	PCC	M15	05/10/2020	02/11/2020	150.89 X 150.88 X 150.61	22765	8.166	391.9	17.2	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO Sig. Date. BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-11-18-34** **Date: 12/10/2020**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-10-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	12/10/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	05/10/2020	12/10/2020	150.26 X 150.18 X 149.96	22566	**8.193**	284.8	12.6	12.6
2	PCC	M15	05/10/2020	12/10/2020	150.48 X 151.70 X 149.13	22828	**8.434**	284.3	12.5	
3	PCC	M15	05/10/2020	12/10/2020	149.88 X 150.00 X 150.12	22483	**9.080**	283.2	12.6	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-11-18-34** **Date: 02/11/2020**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-10-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/11/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	05/10/2020	02/11/2020	150.12 X 149.48 X 151.57	22440	9.040	387.3	17.3	17.5
2	PCC	M15	05/10/2020	02/11/2020	150.87 X 149.24 X 151.31	22516	8.656	400.9	17.8	
3	PCC	M15	05/10/2020	02/11/2020	149.99 X 150.96 X 149.69	22643	8.166	391.9	17.3	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Page 1/1
****End of Report****

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-11-18-34** **Date: 12/10/2020**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-10-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	12/10/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	05/10/2020	12/10/2020	150.99 X 149.33 X 150.07	22546	**8.193**	284.1	12.6	12.5
2	PCC	M15	05/10/2020	12/10/2020	150.36 X 150.69 X 151.63	22657	**8.434**	281.0	12.4	
3	PCC	M15	05/10/2020	12/10/2020	149.53 X 150.73 X 150.78	22539	**9.080**	281.0	12.5	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

CIVIL Pro Sig. Date BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-11-18-34** **Date: 02/11/2020**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.

Agency : Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32

Customer's Reference : BBMP/EE/BTP/WO/119/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 07-10-20

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/11/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	05/10/2020	02/11/2020	151.79 X 150.79 X 151.31	22889	9.040	392.2	17.1	17.5
2	PCC	M15	05/10/2020	02/11/2020	149.00 X 150.92 X 151.31	22488	8.656	397.1	17.7	
3	PCC	M15	05/10/2020	02/11/2020	149.91 X 149.49 X 150.57	22410	8.166	398.4	17.8	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore

CIVIL PRO Sig. Date. BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2020-11-18-34** **Date: 12/10/2020**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.
Agency	:	Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32
Customer's Reference	:	BBMP/EE/BTP/WO/119/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-10-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	12/10/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	05/10/2020	12/10/2020	151.26 X 151.59 X 150.33	22930	**8.193**	287.4	12.5	12.5
2	PCC	M15	05/10/2020	12/10/2020	151.26 X 149.07 X 150.02	22548	**8.434**	282.8	12.5	
3	PCC	M15	05/10/2020	12/10/2020	151.75 X 151.87 X 151.13	23046	**9.080**	287.7	12.5	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO BANGALORE Sig Date

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Page 1/1
****End of Report****

Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-11-18-34** **Date: 02/11/2020**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura Devappa Layout Kalathur Layout Mariyamma Block and Surrounding Areas in Ward No 11 Kuvempunagara in Vidyaranyapura Sub Division.

Agency : Sri.M.S.Raju, No:18, 2nd Main, Amarjothi, Layout, Cholanayakanahalli, R T Nagar, Bangalore-32

Customer's Reference : BBMP/EE/BTP/WO/119/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 07-10-20

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/11/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	05/10/2020	02/11/2020	149.54 X 150.56 X 149.14	22515	9.040	384.7	17.1	17.5
2	PCC	M15	05/10/2020	02/11/2020	149.52 X 151.37 X 149.19	22632	8.656	401.7	17.8	
3	PCC	M15	05/10/2020	02/11/2020	151.15 X 151.34 X 150.06	22876	8.166	407.1	17.8	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL PRO BANGALORE Sig. Date

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97

****End of Report****